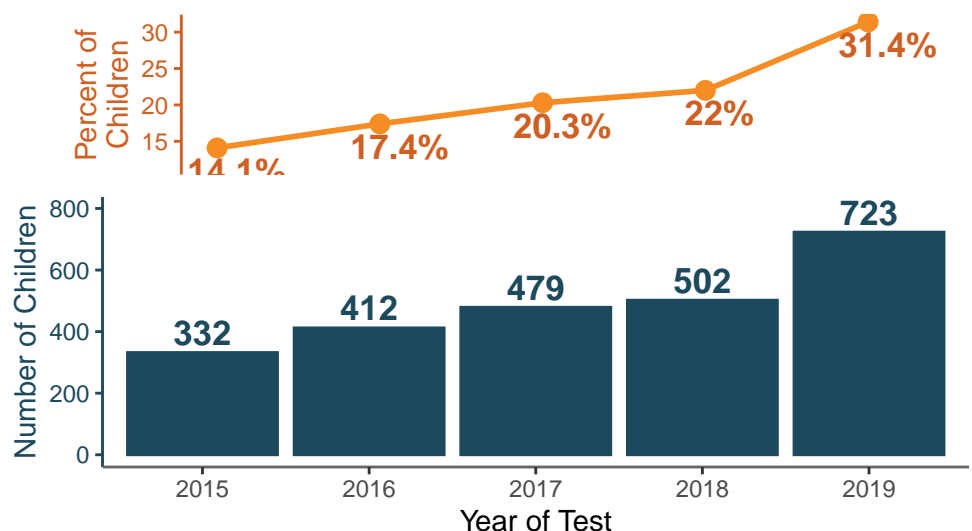


2019 LEAD EXPOSURE DATA BRIEF FOR THE UPPER VALLEY REGION

Lead poisoning is entirely preventable. However, nearly 1 million children living in the United States have blood levels high enough to impair their ability to think, learn, and concentrate.

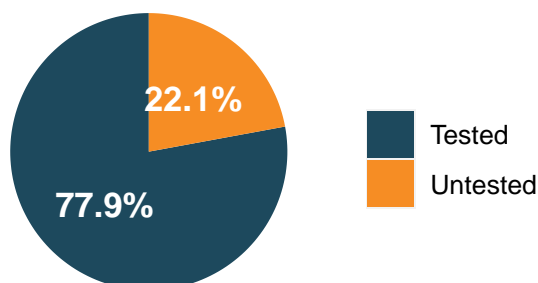
In 2019, 10 children (0 – 72 months old) in the Upper Valley Region were identified with elevated blood lead levels of 5 ug/dL or higher.

Annual Number (and Percent) of Children, 0 to 72 Months Old, Tested for Blood Lead in the Upper Valley Region 2015 – 2019



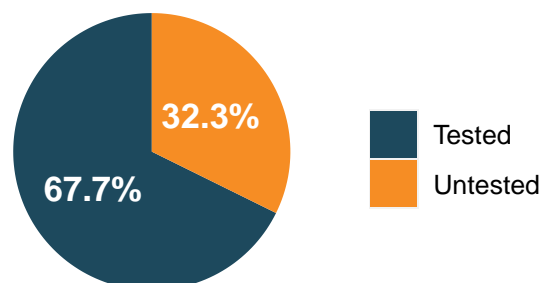
Percent of Children Tested per New Hampshire Screening and Management Guidelines

Percent of One-Year-Old Children Tested for Blood Lead



In 2019, 77.9% of one year-old (12–23 month-old) children residing in the Upper Valley Region were tested for lead in their blood (310 of an estimated 398 children).

Percent of Two-Year-Old Children Tested for Blood Lead



In 2019, 67.7% of two year-old (24–35 month-old) children residing in the Upper Valley Region were tested for lead in their blood (241 of an estimated 356 children).

In 2018, New Hampshire passed a state law requiring providers to conduct blood lead level tests for all one and two year-old children.

Childhood Lead Exposure by Town, 2019

TOWN	AGE GROUP (IN MONTHS)	POPULATION DPHS ESTIMATE 2018	NUMBER TESTED 2019	PERCENT TESTED (%) 2019	NUMBER WITH EBLL 5+ ug/dL 2019 ONLY	NUMBER WITH EBLL 5+ ug/dL 2015–2019	NUMBER WITH EBLL 10+ ug/dL VENOUS TESTS 2015–2019
CANAAAN	0 to 72	239	52	22	1 – 4	1 – 4	0
	12 to 23	44	24	54	1 – 4	1 – 4	0
	24 to 35	46	13	28	0	0	0
DORCHESTER	0 to 72	9	1 – 4	Supp.	0	0	0
	12 to 23	0	0	—	0	0	0
	24 to 35	2	1 – 4	Supp.	0	0	0
ENFIELD	0 to 72	285	72	25	1 – 4	10	1 – 4
	12 to 23	57	29	51	1 – 4	6	0
	24 to 35	42	23	55	0	1 – 4	0
GRAFTON	0 to 72	73	23	32	1 – 4	1 – 4	0
	12 to 23	14	13	93	1 – 4	1 – 4	0
	24 to 35	8	6	75	0	0	0
GRANTHAM	0 to 72	180	62	34	0	1 – 4	0
	12 to 23	32	32	100	0	1 – 4	0
	24 to 35	25	16	64	0	1 – 4	0
HANOVER	0 to 72	289	102	35	0	0	0
	12 to 23	41	41	100	0	0	0
	24 to 35	35	35	100	0	0	0
LEBANON	0 to 72	907	309	34	5	20	1 – 4
	12 to 23	156	134	86	1 – 4	10	1 – 4
	24 to 35	142	108	76	1 – 4	6	0
LYME	0 to 72	84	39	46	0	1 – 4	0
	12 to 23	11	10	91	0	1 – 4	0
	24 to 35	17	17	100	0	1 – 4	0
ORANGE	0 to 72	15	1 – 4	Supp.	0	1 – 4	1 – 4
	12 to 23	3	1 – 4	Supp.	0	0	0
	24 to 35	1	1 – 4	Supp.	0	0	0
ORFORD	0 to 72	74	19	26	0	1 – 4	0
	12 to 23	9	8	89	0	1 – 4	0
	24 to 35	14	9	64	0	0	0
PIERMONT	0 to 72	32	18	56	1 – 4	1 – 4	0
	12 to 23	10	10	100	1 – 4	1 – 4	0
	24 to 35	5	5	100	0	1 – 4	0
PLAINFIELD	0 to 72	119	22	18	0	1 – 4	0
	12 to 23	21	8	38	0	1 – 4	0
	24 to 35	19	6	32	0	0	0
UPPER VALLEY	0 to 72	2306	723	31	10	49	5
	12 to 23	398	310	78	8	29	1 – 4
	24 to 35	356	241	68	1 – 4	10	0

Childhood blood lead test data is from the NH Healthy Homes Childhood Lead Poisoning Prevention Program. Elevated blood lead levels (EBLL) 5+ ug/dL is defined as a venous or capillary blood test with a result of 5 micrograms per deciliter (ug/dL) or higher. Exact numbers or percents cannot be reported when there are 1–4 cases due to suppression guidelines to protect privacy.

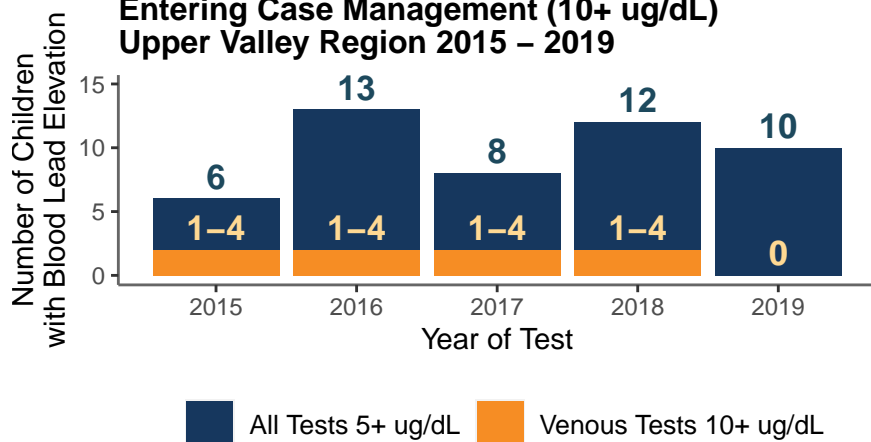
Childhood Lead Risk Factors by Town

TOWN	POPULATION UNDER 6 YO PERCENT (%)	HOUSING UNITS BUILT PRE-1950 PERCENT (%)	HOUSEHOLDS MOVED IN LAST YEAR PERCENT (%)	RENTED HOUSING UNITS W/ CHILDREN UNDER 6 YO PERCENT (%)	UNDER 6 YO LIVING BELOW FED. POVERTY LEVEL PERCENT (%)	UNDER 6 YO IN WITH NO HEALTH INSURANCE PERCENT (%)
CANAAN	3.9	18	5.2	28	34.6	0
DORCHESTER	3.9	16	0	73	0	7.1
ENFIELD	5.5	32	8.2	46	0	7.5
GRAFTON	6.2	22	2.5	28	0	13.2
GRANTHAM	1.7	6	0.9	76	0	0
HANOVER	2.7	22	5.1	17	0	0
LEBANON	7.8	31	9	57	20.5	7.4
LYME	7	31	0.5	9	0	0
ORANGE	0	27	6.3	0	0	0
ORFORD	2.5	31	1.8	0	0	0
PIERMONT	4	33	1.5	19	0	0
PLAINFIELD	3.4	31	1.3	47	0	0
UPPER VALLEY	4.9	26	5.9	44	12.3	4.9

Risk factor data is from the American Community Survey (ACS), 5–Year Estimate Data (2014–2018). Percent of renters with children under 6 yo was calculated from housing units with known occupancy status and known age of occupants. Under 6 yo living below federal poverty level was calculated from the number of children in households with income less than the federal poverty level for whom poverty status was determined. Note, percentages for smaller towns may have a large error.

Childhood Lead Exposure

Annual Number of Children 0 to 72 Months Old with Test Above the National Reference Level (5+ ug/dL) or Entering Case Management (10+ ug/dL)
Upper Valley Region 2015 – 2019



It only takes a speck of lead dust the size of a grain of salt to poison a child

Number of Children 0 to 72 Months Old with Elevated Blood Lead Levels 5+ ug/dL by Town (or Census Tract) in the Upper Valley Region, 2015–2019

